PreSonus Universal Control Installation ReadMe

The version 3.4.1 driver and Universal Control application support all PreSonus FireStudio family interfaces as well as the StudioLive 16.4.2 mixer. Please read through this document before installing the Universal Control on your computer.

NEW FEATURES:

- Adds native 64-bit compatibility (XP and Vista)
- Adds multi-unit support (FireStudio [26x26], FireStudio Lightpipe, StudioLive)
- Optimized input and output metering for ultra-fast screen display and minimum CPU usage
- Use any device in the chain as the master clock source or slave the entire chain to an external digital device using any of the available digital inputs in the chain
- Compatible with Mac OSX 10.4 & 10.5
- Compatible with XP32 and XP64
- Compatible with Vista 32 and Vista 64
- Improved performance and stability
- User-definable buffer size
- Individual monitor-mix windows for each connected device

NEW FIRMWARE FEATURES (STUDIOLIVE ONLY):

- FireWire linking:
    - New fields in digital page of system menu: Link ID, Subgroup Merge
    - DSP merging of auxes, subs, main, solo, 2-Track FireWire return
    - Scene-name exchange on save
    - Links SIP operation, Aux mix selection, Copy operation, Lockout, and meter-mode selection

- 31-band Graphic EQ
    - Adds Stereo, 128-point, 10-stage, curve-fitting filter in DSP
    - Adds GEQ page in system
    - Adds Save and Load pages to manage EQ Presets
    - Adds "GEQ" flag in scene-recall page

MODIFICATIONS

- Channel Mute stages in Aux matrix
    - Adds mute logic in DSP
    - Changes SIP logic to disable Aux mutes
- Created a separate "pots" flag in the scene-recall page
- Moved Aux metering to post-output-level and post-Talk
- Removed dim on Talkback

StudioLive owners, please visit http://www.presonus.com/media/manuals/StudioLive_Manual_forweb.pdf for an updated manual

INSTALLATION INSTRUCTIONS:

The Universal Control replaces the control panel for all FireStudio family interfaces, including the StudioLive 16.4.2 mixer. To guarantee a smooth installation, please follow these installation instructions:

MAC USERS:
Disconnect or power off your FireStudio family device. Go to MacHD | Applications and drag your FireStudio family device's control panel to the trash. Empty the trash and reboot your computer. Run the Universal Control 3.4.1 Installer and follow the onscreen instructions.

WINDOWS USERS:
Disconnect or power off your FireStudio family device. Right-click on its control panel icon in the System tray and select Quit. Go to Start | PreSonus and run the uninstaller for your device. Run the Universal Control 3.4.1 Installer and follow the onscreen instructions. XP users will need to run through the Found New Hardware wizard three times when you reconnect your FireStudio family device to install the improved MIDI drivers (StudioLive owners will only be prompted to install the audio driver).

FIRMWARE UPDATES:
Once your PreSonus FireStudio family interface is connected and synced, launch the Universal Control from your Start Menu (PC) or from the Applications folder (Mac). If you are using multiple FireStudio devices, connect each device individually. Go to Settings | Check Firmware to verify that each device's firmware is up to date. The Universal Control automatically scans the device and will update the firmware if necessary. Make sure that only one FireStudio family device is connected and that all other FireWire peripherals have been disconnected from your computer prior to running the Firmware Updater. Once the firmware is updated, click the Finish button. If you have other devices to connect, disconnect the updated unit and sync each one at this time. Do not disconnect or power down your device during the firmware update. Doing so will damage your device and will require it to be sent to the PreSonus factory for repair.

StudioLive owners using version 1.11 will need to hold down the Control and Alt keys when you click on "Check Firmware" to update to 1.12.

A QUICK WORD ABOUT UNIVERSAL CONTROL:

The Universal Control consists of two windows: the Launch window and the Device window. The Launch window is the same for every FireStudio family device. From here you can set the Sample Rate, Clock Source, Safe Mode, Buffer Size (PC only), and WDM routing (PC only). You will notice that each device is listed at the bottom of the window. These are the Device Window buttons. Clicking on a Device Window button will open that interface's Device window. The Device window will look very familiar to the current control panels, and no functionality has been removed. You can also give your interface a custom name by double-clicking on the default name in the Device Window button.

MULTI-UNIT INSTRUCTIONS:

Once all your units are connected and synced, launch the Universal Control application. The devices will be shown in the Launch Window in the order of their internal ID number. The unit with the lowest ID number will always be at the top of the list and will be the first inputs and outputs in your DAW application. Because of this, it is recommended to identify this unit and place it first in the device chain. If you are using several of the same FireStudio family interfaces, you will need to identify which unit double-click on the Name Box in each Device Window button and change the unit's name to reflect both its current order in the chain and to help you identify units. Once you have renamed your units, power down each of the daisy-chained units. Note the name of the unit that is still synced to your computer and turn each of the daisy-chained units on, one at a time. Once you have indentified each unit, it is highly recommended that you reconnect the units in the order they show up in the Launcher Window (that is, the unit at the top of the list should be connected directly to the computer and subsequent units should be daisy chained from it). If your units are not daisy chained in the correct order, power them down and reconnect them in the proper order. Connecting your units in this order will produce the best performance and will put your inputs and outputs in the correct order.

It should also be noted that the inputs and outputs on each unit in the chain are independent from one another. This means that you cannot monitor the inputs from the first unit in the chain through the outputs on the second unit in the chain unless you create a mix from within your DAW application. To easily maintain zero-latency mixing between the daisy-chained units, dedicate a set of outputs and a mix from your slaved devices and physically connect them to inputs on your master unit. In this way, you will be able to monitor all your sources from one Device Window.

Please Note: *FW400 has limitations as to simultaneous I/O. The maximum number of inputs and outputs has not yet been determined. As of this release, PreSonus has only tested a maximum of 48 inputs and outputs. Even if you are not using all the I/O in your device chain, it is still active. If you plan to use three or more units or more than 40 inputs at the same time, the installation of a dedicated FireWire bus with a tested and approved FireWire chipset and at least 2 GB of RAM is highly recommended. Below you will find a table of supported hardware combinations.*

YOU CAN ADD THIS:	IF YOU HAVE THIS:									
		PROJECT	PROJECT X 2	PROJECT X 3	TUBE	TUBE X 2	TUBE X 3	LIGHTPIPE	FS26	STUDIOLIVE
	PROJECT	+	+	+	+	+	+	+	+	+
	PROJECT X 2	+	+		+	+		+	+	+
	PROJECT X 3	+			+			+	+	+
	TUBE	+	+	+	+	+		+	+	+
	TUBE X 2	+	+		+	+		+	+	+
	TUBE X 3	+								
	LIGHTPIPE	+	+	+	+	+				
	FS26	+	+	+	+	+			+	+
	STUDIOLIVE	+	+	+	+	+		+	+	+

Updating Your Firmware

Precautions have been taken with programming to ensure that your PreSonus product does not loose connectivity during the Firmware update process. If the Firmware Updater detects intermittent connectivity, it will either quit or hang until the connection is reestablished. If the Firmware Update takes longer than 2-3 minutes to complete and the status bar stops moving forward ***do not disconnect or power cycle your unit***

1. Force Quit the Firmware Updater application
2. Make sure that no other FireWire peripherals are connected
3. Make sure that your wireless network is disabled (PC) and that Airport is Turned Off (Mac)
4. Launch the Universal Control. In the Launcher Window, set the Buffer Size to the highest setting (PC only) and set the Mode to Safe Mode 3
5. In the Launch Window, go to Settings | Check Firmware and hold down the control and alt keys while selecting it. This will force the Firmware Updater to rerun.
6. If the application hangs again, force quit. Disconnect all extraneous peripherals from your computer and repeat step 5.

PowerMac G4 owners: There is a known issue with the firmware updater that may prevent the Firmware Updater from completing. If you own this model Macintosh, it is highly recommended that you cannot update the firmware using a different computer.